

Integration of a starter/generator module in a gas turbine transmission housing.

ABSTRACT

A starter/generator in S/G, mechanically coupled to a gas turbine transmission housing comprises a generator (10) with a rotor forming a field winding and a stator forming an armature and an energizer (20) with a stator forming a field winding and a rotor forming an armature connected to the generator field winding. The generator rotor (12) and the energizer rotor (22) are mounted on a common shaft (54) with a transmission housing gear wheel (86), on either side of this gear wheel.

Figure 4